

IN THE SPECIFICATION

Please replace the paragraph beginning at page 108, lines 14, with the following rewritten paragraph:

In embodiment 12 of the present invention, a waveguide, e.g., a rectangular waveguide 1, is located within the vacuum chamber 5. A dielectric body member 21 made of quartz, glass or a ceramic material is arranged in the inlet port portion of the rectangular waveguide 1. ~~Also, a reference numeral 22 shown in the drawing denotes beam portion in contact with the rectangular waveguide 1.~~ Incidentally, a gas inlet 6 and a gas evacuation port 7 are omitted in FIG. 16B.

Please replace the paragraph beginning at page 91, line 10, with the following rewritten paragraph:

Compared with embodiments 1, 2, etc., embodiment 8 of the present invention gives rise to a difficulty. It is difficult to design the electromagnetic wave distributing waveguide portion 17 serving to distribute the electromagnetic wave leftward and rightward. However, it is unnecessary to arrange the electro-magnetic wave distributing waveguide portion 17 additionally. It makes possible to obtain a compact plasma processing apparatus. Embodiment 8 of the present invention is also featured in that the length of the entire waveguide is short and, thus, the plasma can be made uniform easily in the longitudinal direction of the waveguide.